

IN THE CLAIMS:

Please ADD new claim 7:

1. (PREVIOUSLY PRESENTED) A resin bonded rare earth magnet, compression molded from a rare earth-transition metal alloy powder and a thermosetting resin, comprising:
a magnet body comprising a mixture of the thermosetting resin and the rare earth-transition metal alloy powder with a particle size of between 20 and 300 microns;
a filling material with a particle size between 0.1 and 15 microns used to fill in depressions on a surface of said magnet such that the surface has a surface roughness of less than 3 microns, and fixed with said thermosetting resin; and
a corrosion inhibiting coat made from a synthetic resin applied to the surface of said magnet .
2. (PREVIOUSLY PRESENTED) A resin bonded rare earth magnet according to Claim 1, wherein the corrosion inhibiting coat made from synthetic resin applied to the surface of said magnet has a thickness of between 1 and 30 microns.
3. (PREVIOUSLY PRESENTED) A resin bonded rare earth magnet, comprising:
a magnet body;
a filling material to fill in depressions on the magnet body such that a surface of the magnet body has a surface roughness of less than 3 microns; and
a synthetic resin coat applied to an outer surface of said magnet body.
4. (PREVIOUSLY PRESENTED) The resin bonded rare earth magnet according to claim 3, wherein the filling material smooths the depressions on the magnet body.

5. (PREVIOUSLY PRESENTED) The resin bonded rare earth magnet according to claim 3, wherein the synthetic resin coat is a corrosion inhibiting coat.

6. (PREVIOUSLY PRESENTED) The resin bonded rare earth magnet according to claim 3, wherein a surface of the synthetic resin coat has a surface roughness of less than 3 microns.

7. (NEW) The resin bonded rare earth magnet according to claim 3, wherein the filling material directly fills in the depressions.